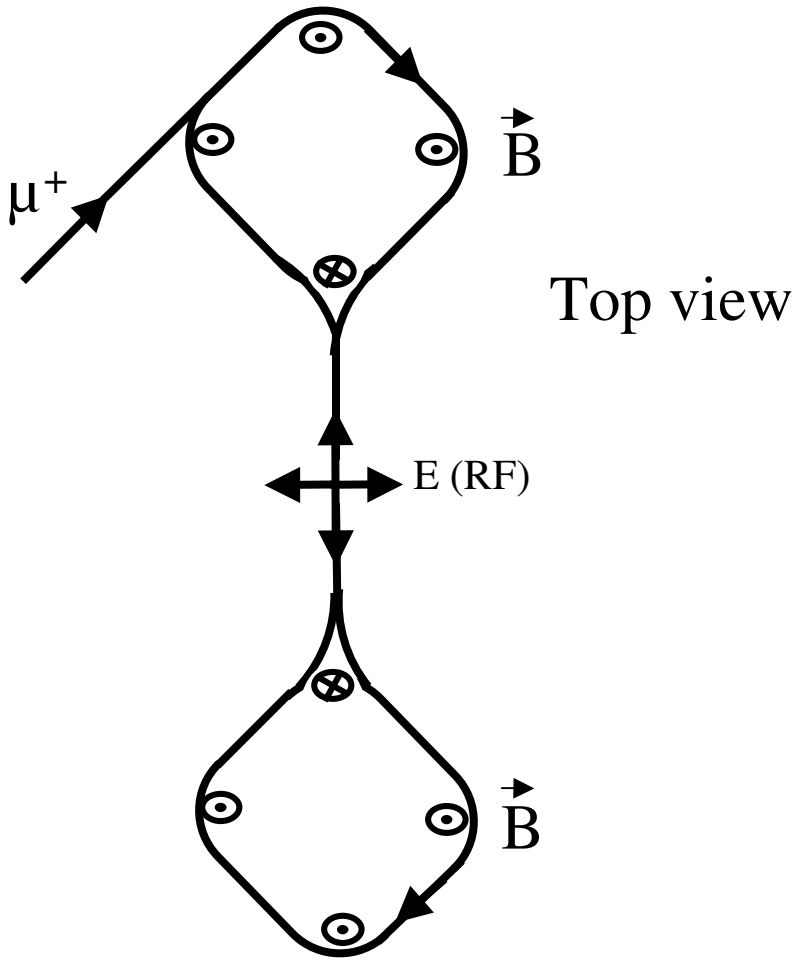

Figure 4: The top view of a possible ring configuration in a dedicated muon EDM experiment using an AC (RF) E-field orthogonal to the muon momentum. The E-field region is only present in the straight section and is in phase with the muon bunch so that its direction alternates depending on the muon momentum direction. This way the net out of plane E-field component (the main systematic error) is automatically cancelled.